At page 8, please replace the paragraph beginning "An important design criteria" and ending "alternative copy or read layer" with:

A2

An important design criteria is that the margin between T_{copy} and T_{write} be sufficient for stability of the memory layer during read. One concern with the Co/Pt copy layer is that T_{copy} may be too high for adequate margin. It is suggested, therefore, that Fe/Pt or CoFe/Pt, which can show a steeper drop in coercivity with temperature compared to Co/Pt, could be developed as an alternative copy or read layer.

IN THE CLAIMS

Please rewrite claims 12-13 as indicated.

A3

12.   A system as claimed in claim 8 wherein the write layer comprises TbFeCo, and the copy layer comprises Fe/Pt super lattice.

13.   A system as claimed in claim 8 wherein the write layer comprises TbFeCo, and the copy layer comprises CoFe/Pt super lattice.

Remarks

The above amendments have been made to correct minor inadvertent errors in the specification and claims.

Respectfully submitted

9/24/01

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<u>Marked-Up Specification</u>

At page 6, please replace the paragraph beginning "The medium type" and ending "followed by experimental results" with:

The medium type which is included herein preferably includes a [CoPt] <u>Co/Pt</u> readout layer on a TbFeCo memory or write layer. In a preferred form, an exchange or coupling layer 108 is provided. This medium type was chosen to provide a temperature dependence of coercivity as schematically depicted in FIG. 4. The principle of operation is briefly described followed by experimental results.

At page 8, please replace the paragraph beginning "An important design criteria" and ending "alternative copy or read layer" with:

An important design criteria is that the margin between T_{copy} and T_{write} be sufficient for stability of the memory layer during read. One concern with the Co/Pt copy layer is that T_{copy} may be too high for adequate margin. It is suggested, therefore, that Fe/Pt or [CoFePt] <u>CoFe/Pt</u>, which can show a steeper drop in coercivity with temperature compared to Co/Pt, could be developed as an alternative copy or read layer.
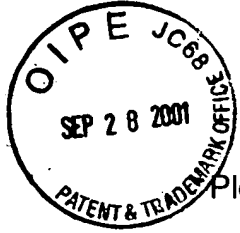
<u>Marked-Up Claims</u>

Please rewrite claims 12-13 as indicated.

12.   (Amended)   A system as claimed in claim 8 wherein the write layer comprises TbFeCo, and the copy layer comprises [FePt] <u>Fe/Pt super lattice</u>.

13.   (Amended)   A system as claimed in claim 8 wherein the write layer comprises TbFeCo, and the copy layer comprises [CoFePt] <u>CoFe/Pt</u> super lattice.